

FINISHING NEWS

[winter 2009-2010]

Grab Onto the New Binks PitBull, You'll Never Let Go!

Introducing a revolutionary airless spray gun system
from Binks: No Needle • No Springs • No Problems!



Shown:
3500 2-finger
and
7500 4-finger
models

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DeVilbiss adds the Compact™ MINI touchup gun and DeKups

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New product news from Binks with a focus on pumps and airless guns in our Tech Tip

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Go green with the Receptor Booth Filter made from recycled plastic bottles

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Look what's coming for you in 2010!

Whether you need a solid airless spray gun to add to your lineup or are looking for a complete airless system, the new Binks PitBull is so good, it will be the first gun you pick up and the last gun you put down.

The exclusive needleless design uses a tungsten carbide valve to last up to twice as long as others' needle/spring designs. The valve eliminates spitting and lowers trigger pull, reducing fatigue.

The anodized forged aluminum body withstands abuse and cleans up easily as it fits comfortably in your hand.

Binks offers a complete line of PitBull swivel adapters, tip extensions, hose, and fluid tips. Twist tips are available for 3500 psi and 7500 psi Airless Spray Guns. Flat tips are available for 3500 psi Airless Spray Guns. Tips and Tip Guards are color-coded for easy identification. Parts rated in 3500 psi are black in color. Parts rated for 7500 psi are gray in color.

Get a PitBull in your hand today and try the difference!



Contractor tested

"Flat-out, the best airless spray gun I've used in my 21 years of experience. Easy to clean and maintain — keeps me on the job."

Mark Martinez, TOPARCO, Inc.,
Carol Stream IL



TOUCH UP PERFORMANCE SERIES

Compact™ by DeVilbiss MINI

This new touch-up gun with the ultimate fine finish joins the wide range of Compact automatic and manual high performance spray guns.

The Compact MINI incorporates sensitive fan control into the comfort of a full-size gun. This DeVilbiss gun has the pattern range and versatility needed for top quality fine finishing, including touch-up applications.

A fine finish spray gun with many practical uses throughout general industry, it is ergonomically styled for comfort.

- Choice of HVLP or Trans-Tech Compliant air caps provide superior atomization of both solvent- and water-based materials.
- Stainless steel fluid tips and needles.
- Balanced air valve design for lighter trigger pull and improved air flow.
- Lightweight, strong, forged aluminium gun body.
- A quality screw top anti-static gravity feed cup with 125 mls. capacity.
- Optional semi-disposable or disposable cups are available.

Visit www.devilbisscompact.com or ask your DeVilbiss Diamond Distributor about the entire family of Compact Performance spray guns.

**TYPICAL APPLICATIONS**

- Fine shading
- Spot Repair
- Retouching
- Reworking
- Stenciling

SUITABLE FOR

- Solvent and water based paints
- Stains and varnishes
- Inks and dyes
- Lacquers

DEVILBISS: CUTTING EDGE TECHNOLOGY FOR CUTTING COSTS WITHOUT CUTTING CORNERS

GO. FLOW. THROW.

DeKups™ Disposable Cup System

Now, fit the cup to the job.

- Disposable, anti-static lids and liners.
- Positive locking lid, no mess.
- Refill without opening lid, using self-venting, patented funnel system.
- Larger volumes: 9oz, 24oz and 32oz, fewer refills with 9% – 50% more cup volume.
- Better flow for great color match. Liners move paint out through gun and onto job. Increased productivity and less waste!
- Disk filters provide maximum allowable surface for filtration.
- Full line of adapters allow DeKups to work with DeVilbiss, Binks, and other spray guns.



“They are easier to use and cost less too.”
— Contributor on woodweb.com

DEVILBISS
www.devilbiss.com

DeVilbiss DeKups Disposable Cup System
U.S. Patent Nos. 7,353,964; 7,344,040, 7,086,549; owned by
U.S. Patent Nos. 6,820,824 and 7,374,111 owned by 3M Innovative Properties Co.

product news



BINKS CENTURY

LEL INTERNAL MIX SPRAY GUN

The Binks "Century Series" line has resulted in the best internal mix gun on the market today.

Introducing the 102-3800 line, these three new internal mix spray guns are the latest addition to the popular Binks "Century Series":

- Wet Out GP Resin
- Chopper GP Resin
- Chopper Filled Resin

Specially designed for the application of polyester or vinyl-ester resins, mixing efficiency is radically improved with the patent-pending Binks Catalyst Impingement Injection System (CIIS). The result is an excellent catalyst mix in a lighter, more balanced and comfortable gun with simple one-touch flushing and tool-free shut down at the end of the day.

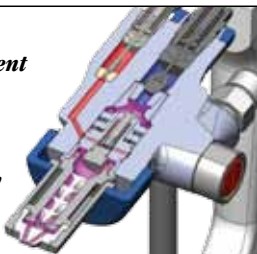
The Binks Internal Century Gun Series extends the production proven design capabilities of this popular and dependable product line and is backed by years of continuous product improvement and cost effective operational excellence.

FEATURES & BENEFITS

- **CATALYST IMPINGEMENT INJECTION SYSTEM**
(patent pending)
More complete mix in a smaller, lighter, balanced gun.
- **DROP FORGED HIGH-STRENGTH ALUMINUM ALLOY HEAD AND HANDLE**
Longer life and higher quality than competing guns.
- **LOW-VELOCITY NON-ATOMIZING SPRAY WITH LEL TIPS**
Styrene emission and material use reduction; MACT compliant.
- **RUGGED CARBIDE RESIN NEEDLE AND NYLON RESIN SEAT STANDARD; CARBIDE RESIN SEAT AVAILABLE (STANDARD ON FILLED RESIN GUN)**
Longer time between maintenance events; lower maintenance and down-time cost.
- **LOW VOLUME MIX CHAMBER AND ONE-TOUCH FLUSHING**
Flush clean with minimal waste and solvent use.
- **MULTI-DIRECTIONAL CHOPPER ADJUSTMENT (UP, DOWN, FORE, AFT, LEFT, RIGHT)**
Fine-tune chop placement into resin fan; better process control and part quality.
- **ERGONOMIC, SHAPED HANDLE; LIGHTWEIGHT AND BALANCED**
Reduced operator fatigue and increased comfort.
- **LARGE MATERIAL PORTS; NO SHARP TURNS IN FLUID PATH**
Lower pump pressure for less wear and tear on pump.

*Catalyst
Impingement
Injection
System
(CIIS)
technology*

PATENT
PENDING



Binks MX™ Series Piston Pumps:

TAKE IT TO THE MAX!

Ideal for single gun air assisted
airless spray applications
with thin to medium
viscosity materials.



MAXimum Efficiency!

- Patented Magnetic Detented Spool Valve design switches over with less energy than traditional spring designs.
- Quick Dump Valve technology exhausts air quickly for a quick pump switchover.
- Go Green! Air Motor switches over at low pressures with very little "wink". Minimize your air assisted airless gun's shaping air to get more of your coating on target and less overspray.

MAXimum Versatility!

- Typical Coatings:
Stains, Sealers, Topcoats, Conversion Varnishes, PTSA Catalyzed materials. Waterborne or Solventborne.
- Typical Substrates:
Wood Furniture, Cabinets.

MAXimum Durability!

- Non-Lubricated Spool Valve is stall resistant even with dirty and wet air.
- Balanced stepped rod fluid section with hard chromed surface minimizes wear and maximizes time between rebuilds.
- Semi-enclosed throat seal keeps out debris, yet won't contaminate air motor if seal leaks.

MAXimum Ease-of-Use!

- Panel Mounted Air Controls are simple to use.
- Sight glass on upper seal lubricant reservoir enables easy inspection of upper seal integrity.

Panel mounted gauges and pictorial guides make use easy and user-friendly.



Binks BX™ Piston Pumps:

for corrosion control coatings
in 36:1 and 57:1

These hard working pumps are perfect for airless application of corrosion control coatings such as epoxies and urethanes.

- Spring loaded design on air motor gives stall-free operation.
- Stepped rod design gives long life and reduced parts count.
- Stainless steel fluid section compatible with waterborne materials.
- Flange joined pump fluid section requires no special tools and easy to service.
- Reversible ball seats decrease maintenance costs.

TECH TIP

from the **Industrial Finishing Experts**

at Binks and DeVilbiss

We know getting a great spray finish can be frustrating.

Call on your Binks and DeVilbiss Diamond Distributor. These finishing experts can provide assistance with your specific finishing challenges.

Visit binks.com or devilbiss.com to locate your Diamond distributor.



Sold by Binks/DeVilbiss
Diamond Distributors

WHAT RATIO PUMP SHOULD I USE FOR MY AIR ASSIST AIR GUN?

The answer depends on the required working pressure.

For the sake of this discussion, let us assume we need 700psi. Diaphragm pumps are 1:1 ratio pumps, so that leaves us with a 2-ball piston pump. Let us also assume that piston pumps have a maximum inlet pressure of 100psi. That would leave us with a maximum pressure of 700psi for a 7:1 pump.

At 100psi in, a 7:1 pump would build up to 700psi and stop (commonly called stall). Let us simulate a spray gun fluid nozzle of .001". We will put a plug in the fluid outlet of the pump and drill a .001" hold in the plug.

At that point, the pump would be delivering close to the maximum pressure of 700psi, but very low delivery. Next, we change the hold to 1/8". We will get more delivery but less pressure. As we continue toward the fluid outlet plug, delivery will continue to go up while pressure continues to drop.

There is a point that allows adequate fluid delivery and pressure. Typically, that would be somewhere in the neighborhood of 60%. In our example situation, achieving 700psi of working pressure would require a pump capable of approximately 1200psi or about 12:1. Sixty percent (0.60) multiplied by 1200psi yields 720psi.

Fluid delivery to match the application would depend on the application required flow and the delivery per cycle of the pump fluid section. Try to size the pump so that the flow per minute is achieved in approximately 15 cycles per minute. Your pump and maintenance department will thank you.

If you want more information, please contact your Diamond Distributor or Binks/DeVilbiss Tech Support at 800-992-4657.

WANT TO RECEIVE MORE TECH TIPS?

Sign up at www.finishingnews.com

RECEPTOR™



BINKS RECEPTOR™ HIGH EFFICIENCY SPRAY BOOTH OVER-SPRAY FILTERS



*GO GREEN with the better,
eco-friendly filter made with
recycled soda bottles.*

*Superior paint holding capacity
rivals the efficiency of
higher priced filters.*



FEATURES & BENEFITS

- **SUPERIOR PAINT HOLDING CAPACITY RIVALS THE EFFICIENCY OF HIGHER PRICED FILTERS**
- **DUAL-CAPTURE CONSTRUCTION IN A STRONGER ONE-PIECE DESIGN**
First capture layer (white) collects overspray. Second capture layer (green) is engineered for high efficiency. Traps more coatings in the filter, preventing materials from entering downstream air system. Inline one-piece design provides higher strength when fully loaded.
- **REDUCES OPERATING COSTS**
More overspray holding capacity than many high efficiency filters. Fewer changes means less filters needed. High efficiency for less downstream contamination and less stack cleaning. More consistent static pressure drop increases coating mileage, lowering coating costs.
- **ENVIRONMENTALLY FRIENDLY**
Green capture layer is made from 100% recycled PET green soda bottles. 98.67% arrestance efficiency means almost all overspray is captured. Substantially cuts particulate emissions and reduces spontaneous ignition risk. Meets UL900, Class II standards for flammability.
- **USER FRIENDLY**
White capture layer is made from virgin high loft polyester and reflects light within booth. Polyester media allows for quick and easy change out and does not irritate workers' skin. Sold in blankets and pads compatible with most spray booth filter retaining systems (frame, spike and compression).
- **COMPATIBLE WITH MOST INDUSTRIAL COATINGS**
Compatible for almost all sprayed industrial coatings including:
 - Thermosets, solvent based and water-based (low, medium and high solids).
 - Air dry coatings, solvent based and water-based (low, medium and high solids).
 - Plural component coatings.
 - Rapid dry coatings.
 - UV and radiation-cured coatings.
 - Industrial adhesives.
 - Fiber-filled resins and bituminous coatings.

coming in 2010

[more training]

[updated websites]



■ Spray Finishing 3-Day Workshop

Toledo, OH
 Mar. 10-12, 2010
 May 19-21, 2010
 Sept. 8-10, 2010
 Nov. 10-12, 2010

Contact:
 jaime_wineland@owens.edu
 or call 1-800-Go-Owens

We add training dates and locations throughout the year; visit www.binks.com or www.devilbiss.com for the latest information.

NOTE: Customized training can be set up for your company. Time, cost and curriculum will vary with your needs. For further information and to contact us, call 800-992-4657 or visit www.binks.com or www.devilbiss.com.

■ Binks.com ■ DeVilbiss.com

Be sure to visit www.binks.com and www.devilbiss.com in 2010. We are updating our websites to provide you with more of the information you need to run your industrial finishing room operations.

■ Free Finishing Tune-Up

Improve your production in five ways! Visit FinishingTuneUp.com to find out how your business can qualify.

■ Seeing is Believing!



Ask your Diamond Distributor about a demo or a trial of Binks or DeVilbiss equipment at your finishing facility.

Before we go ...

[a short note about us]

FINISHING NEWS

FINISHING NEWS

is produced by Industrial Finishing, manufacturer of Binks and DeVilbiss spray finishing equipment



For more information:

on the web —

www.binks.com
www.devilbiss.com
www.finishingnews.com

via phone —

Customer Service
 800-992-4657

For comments and inquiries, email us at info@finishingnews.com

Binks and DeVilbiss are familiar names to industrial finishers. Their combined expertise spans more than two centuries.

As brands that the marketplace has come to rely on, Binks and DeVilbiss joined forces in 1998 as Industrial Finishing to become the primary solution source for industrial finishing operations.

From spray guns and accessories to pumps and plural components metering and mixing equipment, Binks and DeVilbiss are the best choices for standard application and fluid delivery products.

When you want the best, ask for it by name. Insist on Binks and DeVilbiss.

You may not be as familiar with the name. A business unit of Industrial Finishing Inc., Industrial Finishing is focused on creating value-added products and innovative customer solutions for the industrial and professional contractor spray finishing markets.

As an American company, Industrial Finishing has its headquarters in the Chicago area with manufacturing and R&D facilities in the USA.

With our global resources, Binks and DeVilbiss remain recognized today as the leading brands of versatile and dependable, high performance spray finishing equipment throughout the world.





Industrial Finishing
 195 Internationale Blvd.
 Glendale Heights, IL 60139-2092

RETURN SERVICE REQUESTED



Ask us about

Whether or not you are required to follow strict regulatory mandates for your geographic area and specific applications, you can conserve resources with our GreenWorks program.

We can help you:

- Implement eco-tips that provide measurable cost savings
- Identify the Binks and DeVilbiss products with an immediate green payback for you
- Determine if your operation could benefit from the Binks and DeVilbiss Finishing TuneUp program

Industrial Finishing
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open now to
 find out what's...

NEW

in industrial finishing

